

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims, in the application.

Listing of Claims

Claim 1 (currently amended): An electrochemical cell comprising an insulating substrate, and a plurality of layers, said layers comprising at least two conducting layers, wherein one of said conducting layers is a working electrode, said working electrode in contact with at least one reagent, and at least two insulating layers, wherein said at least two conducting layers are separated by said insulating substrate or by at least one of said at least two insulating layers is interposed between said at least two conducting layers, wherein each major surface of each conducting layer is in contact with a major surface of said insulating substrate or a major surface of at least one of said at least two insulating layers.

Claim 2 (currently amended): The electrochemical cell of claim 1, wherein said electrochemical cell comprises two conducting layer layers and two insulating layers.

Claim 3 (original): The electrochemical cell of claim 2, further including a third conducting layer and a third insulating layer.

Claim 4 (canceled)

Claim 5 (currently amended): The electrochemical cell of ~~claim 4~~ claim 1, wherein said at least two conducting layers function as working electrodes further including a second working electrode.

Claim 6 (original): The electrochemical cell of claim 5, wherein said working electrodes are capable of determining the presence of, or the concentration of, the same analyte.

Claim 7 (original): The electrochemical cell of claim 5, wherein said working electrodes are capable of determining the presence of, or the concentration of, different analytes.

Claim 8 (currently amended): The electrochemical cell of claim 1, wherein ~~at least one conducting layer functions as~~ one of said at least two conducting layers is a counter electrode.

Claim 9 (currently amended): The electrochemical cell of claim 1, wherein ~~at least one conducting layer functions as~~ one of said at least two conducting layers is a reference electrode.

Claim 10 (currently amended): The electrochemical cell of claim 1, wherein ~~at least one conducting layer functions as~~ one of said at least two conducting layers is a dual-purpose reference/counter electrode.

Claim 11 (original): The electrochemical cell of claim 1, further having at least one passage formed in each of the conducting layers and insulating layers, the passage capable of receiving a liquid sample.

Claim 12 (original): The electrochemical cell of claim 11, said at least one passage has a volume not exceeding 1 microliter.

Claim 13 (original): The electrochemical cell of claim 11, wherein said passage has a regular shape.

Claim 14 (original): The electrochemical cell of claim 11, wherein said passage has an irregular shape.

Claim 15 (canceled)

Claim 16 (currently amended): The electrochemical cell of ~~claim 15~~ claim 1, wherein said at least one reagent is an enzyme.

Claim 17 (currently amended): The electrochemical cell of ~~claim 15~~
claim 1, wherein said at least one reagent is integral with said ~~at least one~~
conducting layer working electrode.

Claim 18 (original): The electrochemical cell of claim 1, wherein the
thickness of each conducting layer does not exceed 100 micrometers.

Claim 19 (original): The electrochemical cell of claim 1, wherein the
thickness of each insulating layer does not exceed 100 micrometers.

Claim 20 (currently amended): The electrochemical cell of claim 1,
wherein said ~~at least two conducting layers are separated by~~ said insulating
substrate is interposed between two conducting layers.

Claim 21 (currently amended): The electrochemical cell of claim 1,
wherein said ~~at least two conducting layers are separated by~~ at least one
insulating layer is interposed between two conducting layers.